

**APPENDIX D**

**OPERATION AND MAINTENANCE PLAN**

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A three-inch-thick asphalt cap will be used to cover the designated areas of impacted soil. The capping will eliminate the direct contact pathway with the soil and prevent storm water infiltration through the soil. The capped areas will be inspected annually by site personnel, and repaired as needed. Inspections will focus on erosion, settling, cracks or other visible damage. If the integrity of the asphalt cap is determined to be compromised, then it will be repaired by the site owner. The asphalt cap will be considered compromised if asphalt is completely missing or if a crack greater than 1/4-inches in width extends through the asphalt.

The method for asphalt repair will be dependent upon the damage to the cap. The repair may be as simple as sealing a crack or may consist of removal and replacement of an entire section. Crack sealing will be completed by using the procedures described in WSDOT Standard Specifications Section 5-04.3(5)C. Asphalt replacement will be completed by using the procedures described in WSDOT Standard Specifications Section 5-04.3(5)E. As part of planned maintenance, it is assumed that after 15 years, a one-inch-thick asphalt overlay will be placed over each capped area.